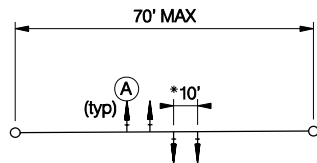
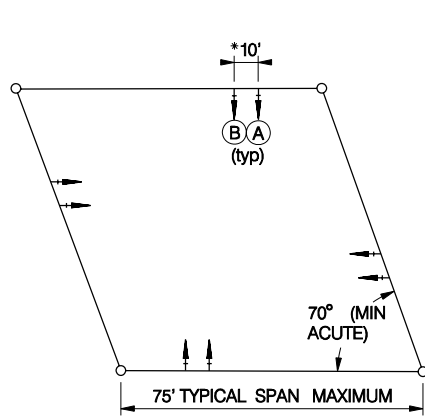


USER: SIECAW
Fricke, March 17, 2008
DATE: ...
DEN: ...
... (standard 2008) lsp88.dgn



25' MAXIMUM SPAN WIRE
ATTACHMENT HEIGHT

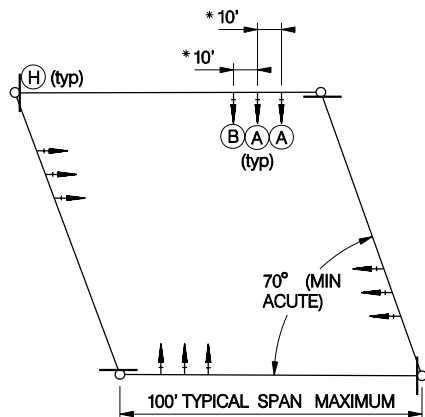
POLE TYPE SW1



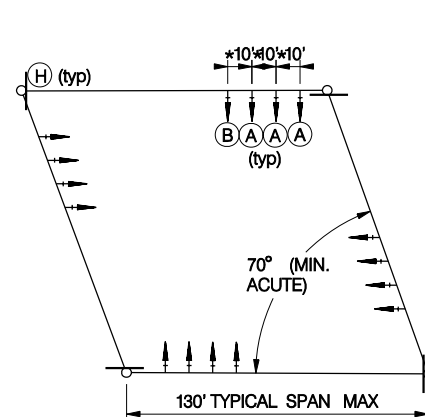
25' MAXIMUM SPAN WIRE
ATTACHMENT HEIGHT

POLE TYPE SW2

*typical minimum for manufacturers details



26'-6" MAXIMUM SPAN WIRE
ATTACHMENT HEIGHT



28' MAXIMUM SPAN WIRE
ATTACHMENT HEIGHT

POLE TYPE SW3

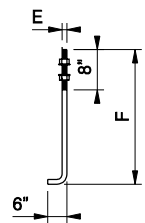
DEVICE	SIGNAL	DESCRIPTION	PROJECTED AREA SQ FT	WEIGHT POUNDS
A	TS-1, T31	12" 3 SECTION POLYCARBONATE WITH BACKPLATE	8.67	40
	TS-1L, T32			
	TS-1R, T33			
B	TS-1LL, T51B	12" 5 SECTION POLYCARBONATE WITH BACKPLATE	13.33	55
	TS-1RR, T52B			
C	TS-1LL, T51	12" 5 SECTION POLYCARBONATE WITH BACKPLATE MOUNTED ON SIDE OF POLE	13.33	55
	TS-1RR, T52			
D	PS-1, P13	12" 1 SECTION POLYCARBONATE ON SIDE OF POLE	1.56	30
E	SIGN	ALUMINUM VARIABLE MESSAGE SIGN ON SPAN	7.0	30
F	SIGN	STREET NAME SIGN LOCATED ON THE FAR RIGHT OF THE INTERSECTION SIDE OF POLE	27.00	60

LIN POLE SERIES LOADING INFORMATION

GENERAL NOTES:

- 1) EACH POLE SHAFT SHALL BE FURNISHED WITH ALL MISCELLANEOUS HARDWARE NECESSARY TO COMPLETE THE INSTALLATION, EXCEPT POLE BANDS TO BE FURNISHED BY OTHERS.
- 2) THE POLE SHAFT SHALL BE GALVANIZED TO COMPLY WITH ASTM-123.
- 3) THE MISCELANEOUS HARDWARE SHALL BE GALVANIZED TO COMPLY WITH ASTM-153.
- 4) A LETTER OF CERTIFICATION FROM THE MANUFACTURER, STAMPED BY A PROFESSIONAL ENGINEER, SHALL BE SUBMITTED CERTIFYING COMPLIANCE TO THESE SPECIFICATIONS, ALONG WITH SHOP DRAWINGS AND IF REQUESTED CALCULATIONS FOR VERIFICATION OF COMPLIANCE.

POLE SERIES	POLE TYPE	LUM. MOUNT HEIGHT	LENGTH (TAPER 0.14"/FT)	BOLT CIRCLE B	BOLT DIA. E	BOLT LENGTH F
LIN	SW1	NA	26'-6"	17"	1.5"	4'-6"
LIN	SW1	30'	27'-6"	17"	1.5"	4'-6"
LIN	SW1	35'	32'-6"	17"	1.5"	4'-6"
LIN	SW1	40'	37'-6"	17"	1.5"	4'-6"
LIN	SW2	NA	27'-6"	17"	1.5"	4'-6"
LIN	SW2	30'	27'-6"	17"	1.5"	4'-6"
LIN	SW2	35'	32'-6"	17"	1.5"	4'-6"
LIN	SW2	40'	37'-6"	17"	1.5"	4'-6"
LIN	SW3	NA	29'-6"	18"	1.75"	7'
LIN	SW3	35'	32'-6"	18"	1.75"	7'
LIN	SW3	40'	37'-6"	18"	1.75"	7'



ANCHOR BOLTS

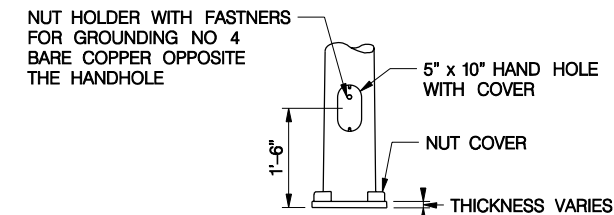
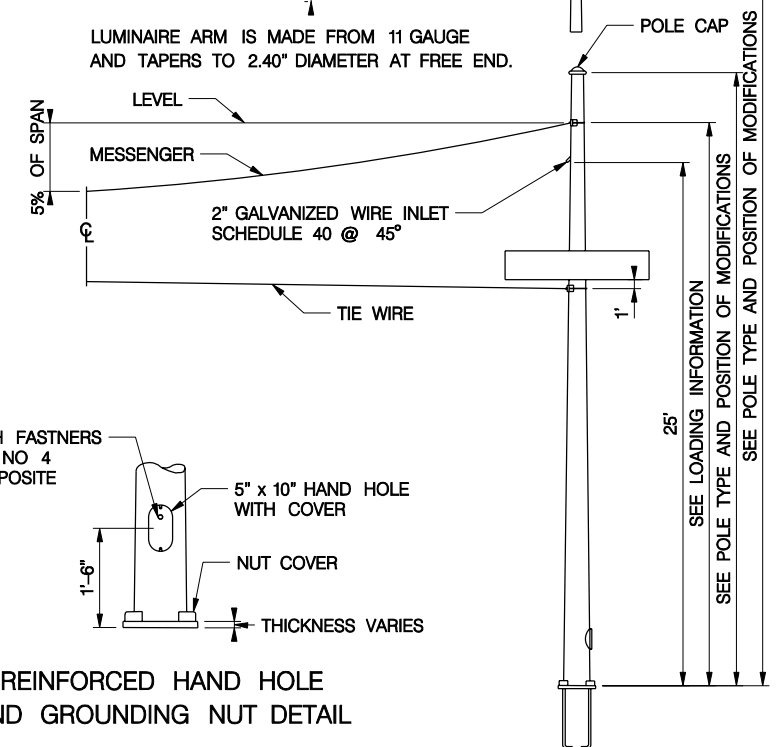
(4) ANCHOR BOLTS WITH (2) HEX NUTS
AND (2) WASHERS PER BOLT WITH
THREADED END GALVANIZED AT LEAST 12"

DESIGN CRITERIA:

- 1) LOADING AND ALLOWABLE STRESS CRITERIA: 80 MPH AS PER CURRENT AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS".
- 2) ALL STRUCTURES ARE DESIGNED TO SUPPORT THE MAXIMUM LOADING SHOWN WITH A SPAN WIRE SAG OF 5% AND TETHER WIRES THAT BREAK AWAY AT A MAXIMUM LOAD OF 900 LBS.
- 3) THE TRAFFIC SIGNALS AND SIGNS SHOWN MAY BE PLACED AT ANY LOCATION ON THE SPAN WIRE, PROVIDED THAT THE MINIMUM SPACING SHOWN IS MAINTAINED.
- 4) ALL STRUCTURES ARE DESIGNED TO SUPPORT A 15' MAXIMUM LENGTH LUMINAIRE ARM AT 40' MAXIMUM LUMINAIRE MOUNTING HEIGHT, WHILE SUPPORTING A LUMINAIRE HAVING A MAXIMUM PROJECTED AREA OF 3.3 SQUARE FEET AND A MAXIMUM WEIGHT OF 75 POUNDS.

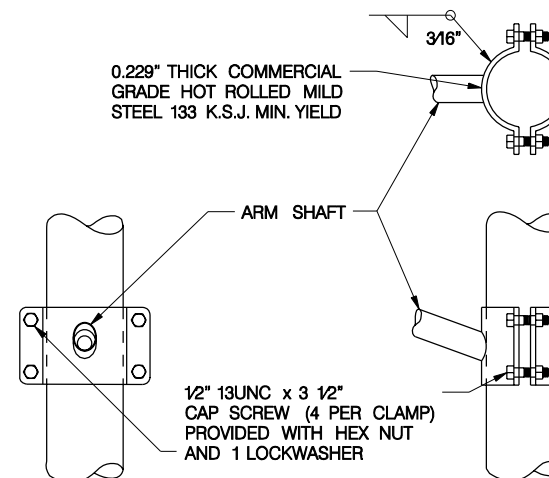
SPAN	FIXED END DIA.
6'	3.41"
8'	3.65"
10'	3.90"
12'	4.16"
15'	4.58"

LUMINAIRE ARM IS MADE FROM 11 GAUGE
AND TAPERS TO 2.40" DIAMETER AT FREE END.



REINFORCED HAND HOLE AND GROUNDING NUT DETAIL

LIN POLE SERIES



CLAMP ON LUMINAIRE ARM

NOTE:
POLE MANUFACTURER TO STAMP ALL
MAJOR COMPONENTS WITH POLE NUMBER

EXAMPLE: R-SW2-40-12T-6.5-0.25-PC
R-ROUND
O-OCTAGONAL
SPAN WIRE POLE
TYPE 1, 2 OR 3
SL MOUNTING HEIGHT
SL ARM LENGTH & TYPE
6, 8 or 10'-S-SINGLE
10, 12 or 15'-T-TRUSS
(T IF TWIN ARM)
UPSWEPT
LAMP SIZE IN KILOWATTS
PC-PHOTO CELL
SC-SHORTING CAP

POLE TYPE AND SIZE LEGEND

